

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application:

3
4 **Listing of Claims**

5
6 Claim 1 (Currently amended): A method comprising:
7 reading at least a subset of audio content comprising an audio file from
8 optical media removably integrated with an optical drive, wherein the reading
9 comprises:

10 reading a sector of audio content, wherein the reading of the
11 sector is based on amplitude information of the sector;

12 determining whether additional sector reads of the audio
13 content are necessary, based on a particular read size of the optical
14 drive; and

15 iteratively repeating the reading step using different sizes, if it
16 is determined if the additional sector reads are necessary ;

17 analyzing at least the read subset of audio content to quantify optical drive
18 read accuracy of the audio content, comprising

19 comparing a first bundle of audio content from one sector of audio
20 content to a second bundle of audio content from the one sector; and

21 measuring a difference in amplitude between the first bundle and the
22 second bundle to quantify intra-sector misalignment; and

23 generating one or more metrics of optical drive read accuracy based, at least
24 in part, on the analysis of the read subset of audio content.
25

1 Claim 2 (Canceled)

2
3 Claim 3 (Canceled)

4
5 Claim 4 (Previously presented): A method according to claim 3, wherein
6 analyzing the audio content further comprises:

7 comparing a last bundle of audio content from one sector of audio content
8 to a first bundle of audio content from a subsequent sector of audio content; and
9 measuring an amplitude difference between the bundles to quantify inter-
10 sector misalignment.

11
12 Claim 5 (Original): A method according to claim 4, wherein the
13 subsequent bundle is immediately adjacent to the first bundle.

14
15 Claim 6 (Original): A method according to claim 4, further comprising:
16 adjusting one or more operational settings associated with the optical drive
17 based, at least in part, on the intra- and/or inter-sector misalignment.

18
19 Claim 7 (Original): A method according to claim 4, wherein analyzing
20 the audio content further comprises:

21 comparing data associated with a left channel of a bundle with data
22 associated with a right channel of the bundle; and
23 measuring an amplitude difference between the left channel and the right
24 channel to quantify a channel offset.
25

1 Claim 8 (Original): A method according to claim 7, further comprising:
2 adjusting one or more operational settings associated with the optical drive
3 based, at least in part, on the intra-sector misalignment and/or the channel offset.
4

5 Claim 9 (Currently amended): A method according to claim 1, wherein
6 analyzing the audio content further comprises:

7 comparing a last bundle of audio content from one sector ~~of a block~~ of
8 audio content to a first bundle of audio content from a subsequent sector of the
9 ~~block of~~ audio content; and one or more of:

10 measuring an amplitude difference between the bundles to quantify inter-
11 sector misalignment.

12 measuring an amplitude difference between data associated with a left
13 channel of a bundle and data associated with a right channel of the bundle to
14 quantify channel offset.
15

16 Claim 10 (Previously presented): A method according to claim 1, wherein
17 analyzing the audio content comprises:

18 comparing audio content within and between two adjacent sectors to
19 quantify one or more of intra-sector misalignment, inter-sector misalignment
20 and/or channel offset metrics.
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22
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1 Claim 11 (Currently amended): A computer readable medium
2 comprising of executable instructions, the executable instructions comprising:

3 reading at least a subset of audio content comprising an audio file from
4 optical media removably integrated with an optical drive, wherein the reading
5 comprises:

6 reading a sector of audio content;

7 determining whether additional sector reads of the audio
8 content are necessary, based on a particular read size of the optical
9 drive; and

10 determining whether additional sector reads are necessary;

11 and

12 iteratively repeating the reading step using different sizes, if it
13 is determined if the additional sector reads are necessary ;

14 analyzing at least the read subset of audio content to quantify optical drive
15 read accuracy of the audio content; and

16 generating one or more metrics of optical drive read accuracy based, at least
17 in part, on the analysis of the read subset of audio content.

18
19 reading a sector of audio content, wherein the reading of the
20 sector is based on amplitude information of the sector;

21 determining whether additional sector reads of the audio
22 content are necessary, based on a particular read size of the optical
23 drive; and

24
25 Claims 12-15 (Canceled)

1
2 Claim 16 (New): A method according to claim 1, wherein the reading of
3 the sector based on amplitude information of the sector, is based known a priori
4 amplitude information.

5
6 Claim 17 (New): A method according to claim 16, wherein the a priori
7 amplitude information is compared to a theoretically correct amplitude.

8
9 Claim 18 (New): The computer readable medium of claim 11, wherein
10 analyzing the audio content comprises:

11 comparing a first bundle of audio content from one sector of audio content
12 to a second bundle of audio content from the one sector; and

13 measuring a difference in amplitude between the first bundle and the
14 second bundle to quantify intra-sector misalignment.

15
16 Claim 19 (New): The computer readable medium of claim 18, wherein
17 analyzing the audio content further comprises:

18 comparing a last bundle of audio content from one sector of audio content
19 to a first bundle of audio content from a subsequent sector of audio content; and

20 measuring an amplitude difference between the bundles to quantify inter-
21 sector misalignment.

22
23 Claim 20 (New): The computer readable medium of claim 19,
24 wherein the subsequent bundle is immediately adjacent to the first bundle.
25

1 Claim 21 (New): The computer readable medium of claim 19,
2 further comprising:

3 adjusting one or more operational settings associated with the optical drive
4 based, at least in part, on the intra- and/or inter-sector misalignment.

5
6 Claim 22 (New): The computer readable medium of claim 19,
7 wherein analyzing the audio content further comprises:

8 comparing data associated with a left channel of a bundle with data
9 associated with a right channel of the bundle; and

10 measuring an amplitude difference between the left channel and the right
11 channel to quantify a channel offset.

12
13 Claim 23 (New): The computer readable medium of claim 22,
14 further comprising:

15 adjusting one or more operational settings associated with the optical drive
16 based, at least in part, on the intra-sector misalignment and/or the channel offset.

17
18 Claim 24 (New): The computer readable medium of 11, wherein
19 analyzing the audio content further comprises:

20 comparing a last bundle of audio content from one sector of audio content
21 to a first bundle of audio content from a subsequent sector of audio content; and
22 one or more of:

23 measuring an amplitude difference between the bundles to quantify inter-
24 sector misalignment.

1 measuring an amplitude difference between data associated with a left
2 channel of a bundle and data associated with a right channel of the bundle to
3 quantify channel offset.

4
5 Claim 25 (New): The computer readable medium of claim 11,
6 wherein the reading of the sector is based on amplitude information of the sector.